

Amendments to the Specification:

Page 2, amend the paragraph beginning on line 1 to read as follows:

Such processing requires a reaction medium consisting of an organic solvent and a catalyst comprising an alkaline or alkaline-earth salt of an organic acid.

Contacting the gas to be processed and the organic ~~selvant-solvent~~ containing the catalyst can be carried out countercurrent or cocurrent, in a vertical or horizontal gas-liquid contactor reactor whose temperature is controlled by passage of the solvent that has been extracted at one end of the contactor reactor by a circulation pump into a heat exchanger so as to favour the highest sulfur conversion coefficient while preventing formation of solid sulfur. It is well-known that, in this type of plant, the solvent that has a limited capacity for dissolving elemental sulfur becomes loaded with free liquid elemental sulfur that can be separated from the solvent by simple decantation. This liquid sulfur - solvent decantation is carried out in a liquid-liquid decantation zone that can be situated at the bottom of the contactor reactor. The sulfur is thus recovered in liquid form.

Page 11, amend the paragraph beginning on line 1 to read as follows:

The contactor reactor is for example connected by a line 17 to a decantation zone 18. This line ~~17-27~~ possibly allows passage of the solvent sent through line 16 into decantation zone 18.